

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P674742

Luminaire Tested: **CCP-SA-2B-827-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674742
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-827-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

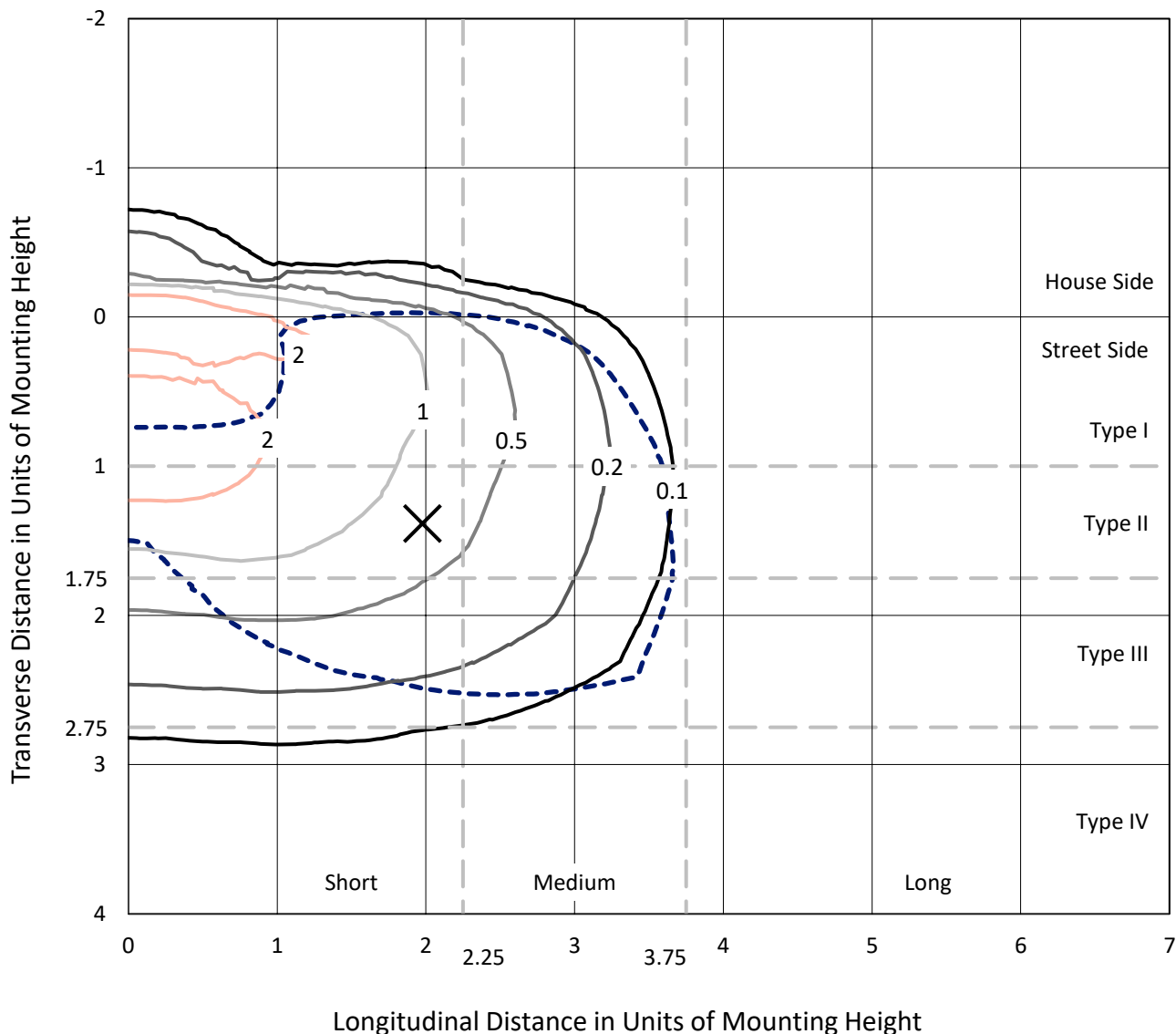
Lumens per Lamp: N/A
Luminaire Lumens: 4026.3 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P674742
 CATALOG NUMBER: CCP-SA-2B-827-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

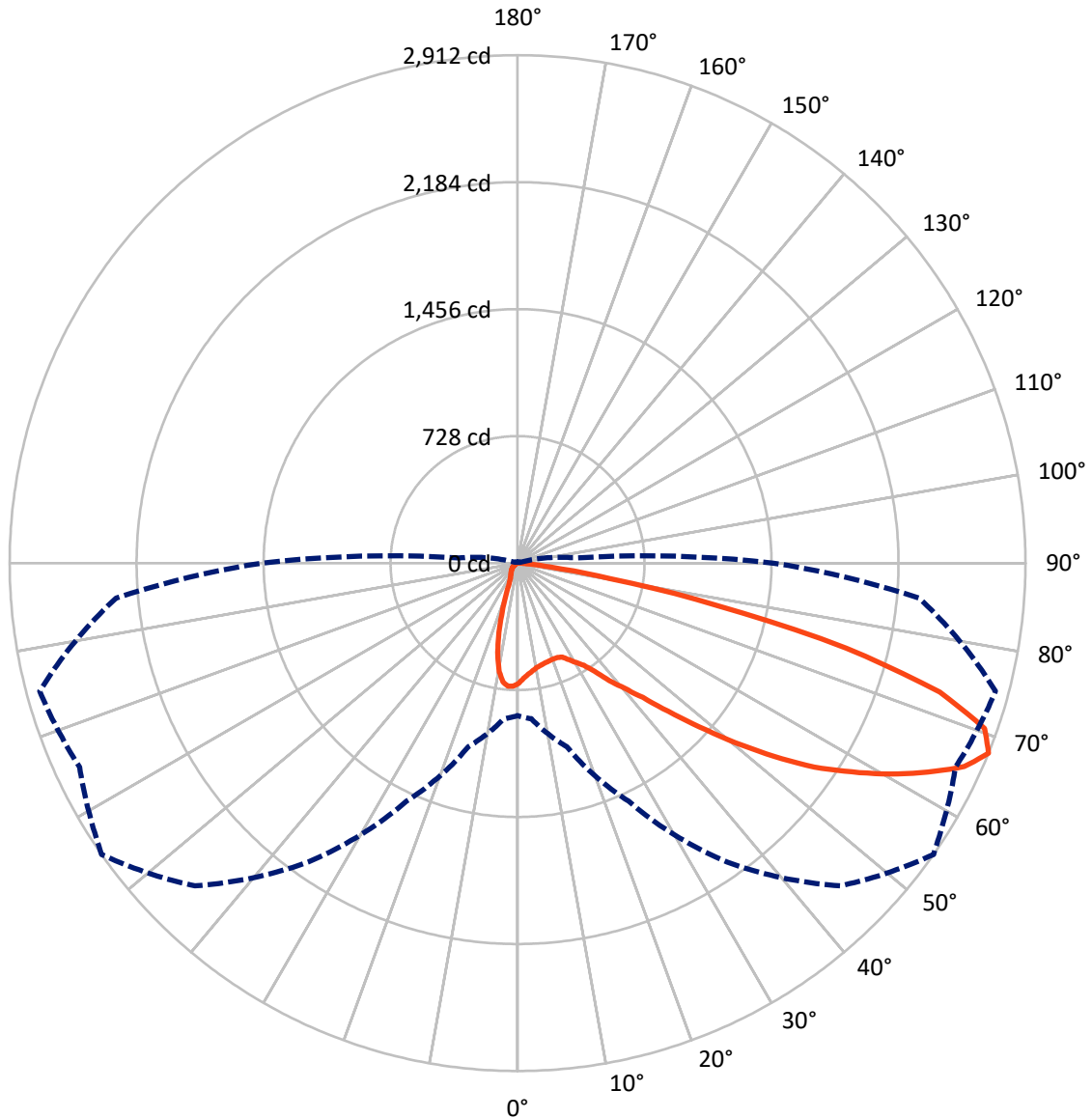
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

REPORT NUMBER: P674742
CATALOG NUMBER: CCP-SA-2B-827-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674742

CATALOG NUMBER: CCP-SA-2B-827-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	361.7	0.0	361.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3664.6	0.0	3664.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	4026.3	0.0	4026.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.5
10°-20°	137.9	3.4
20°-30°	221.2	5.5
30°-40°	383.7	9.5
40°-50°	639.7	15.9
50°-60°	935.5	23.2
60°-70°	1090.8	27.1
70°-80°	529.4	13.1
80°-90°	27.7	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4026.3	100.0
0°-180°	4026.3	100.0



REPORT NUMBER: P674742

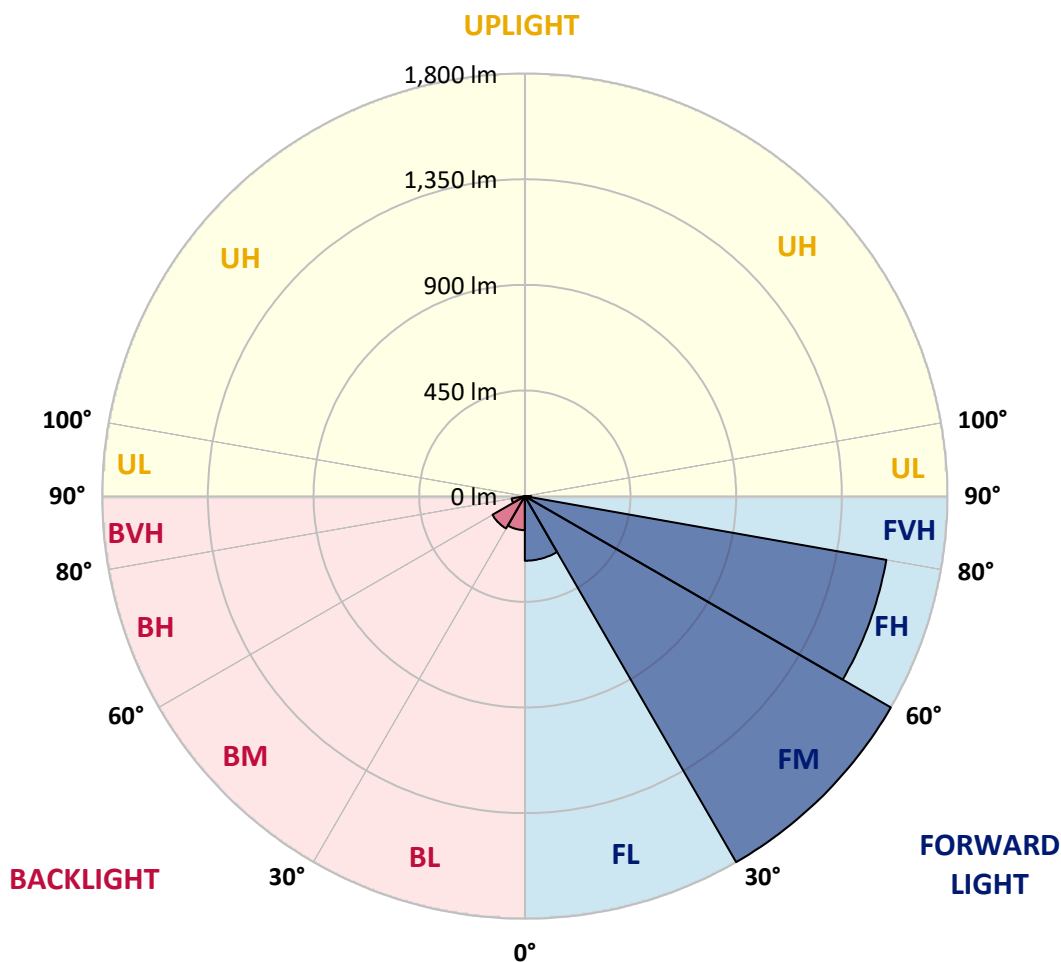
CATALOG NUMBER: CCP-SA-2B-827-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.0	6.8			
FM (30°-60°)	1799.6	44.7			
FH (60°-80°)	1563.1	38.8			G1/1800
FVH (80°-90°)	26.9	0.7			G1/100
BL (0°-30°)	144.6	3.6	B1/500		
BM (30°-60°)	159.2	4.0	B0/220		
BH (60°-80°)	57.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P674742

CATALOG NUMBER: CCP-SA-2B-827-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	690.0	690.0	690.0	690.0	690.0	690.0	690.0	690.0	690.0	690.0	690.0
2.5°	636.9	641.0	646.2	648.1	654.4	663.3	660.7	658.8	668.9	682.6	687.0
5°	597.3	597.6	605.8	611.7	622.5	631.0	640.3	639.5	657.7	681.1	695.9
7.5°	558.3	559.0	567.6	576.9	592.4	609.1	623.2	622.5	651.8	682.9	711.1
10°	507.1	510.8	521.2	537.5	562.0	588.4	608.0	609.9	645.1	690.0	731.9
12.5°	465.9	467.8	479.3	500.4	529.4	563.9	600.6	599.5	646.6	703.0	759.0
15°	448.5	447.4	454.4	470.0	503.0	546.4	593.2	595.8	651.8	717.8	787.2
17.5°	452.6	451.5	455.2	460.7	484.1	532.0	589.1	593.5	659.9	733.4	813.5
20°	497.8	490.0	483.4	477.4	480.8	520.1	586.5	591.3	664.8	745.3	841.4
22.5°	585.0	575.4	557.6	524.5	502.7	520.8	587.2	593.5	675.5	764.6	875.1
25°	727.1	717.8	679.6	612.1	554.2	547.5	597.3	603.9	700.4	793.9	911.1
27.5°	915.2	894.4	848.0	751.2	639.5	590.2	627.3	634.7	735.6	816.5	935.6
30°	1071.4	1066.5	1022.0	903.3	757.1	652.9	661.1	665.1	751.6	830.2	960.1
32.5°	1233.5	1223.4	1182.6	1067.3	893.7	742.3	698.9	700.8	772.4	850.6	995.7
35°	1374.4	1365.2	1331.0	1219.0	1053.2	862.5	761.6	757.5	815.4	895.5	1043.9
37.5°	1505.0	1503.9	1473.8	1359.6	1196.4	987.1	854.0	850.6	882.5	944.9	1109.2
40°	1632.6	1629.7	1604.1	1499.8	1337.3	1111.4	941.9	933.4	939.7	1013.9	1195.3
42.5°	1710.9	1717.2	1726.1	1660.1	1504.6	1257.2	1053.2	1048.0	1046.9	1121.8	1308.4
45°	1753.2	1764.3	1816.6	1810.7	1682.0	1438.6	1211.6	1198.2	1193.8	1270.2	1437.9
47.5°	1794.4	1799.2	1884.9	1920.9	1851.9	1627.8	1403.0	1384.4	1366.3	1451.2	1592.6
50°	1797.0	1804.8	1910.8	1998.4	1994.3	1814.0	1617.8	1601.5	1580.7	1671.6	1743.5
52.5°	1760.6	1776.2	1907.5	2047.4	2082.6	1978.4	1840.7	1827.4	1810.3	1878.2	1870.8
55°	1509.5	1535.8	1842.2	2051.8	2144.6	2119.3	2064.8	2046.3	2029.6	2077.8	1995.4
57.5°	1390.0	1404.8	1644.1	2048.5	2223.6	2249.9	2259.2	2250.7	2227.3	2287.4	2125.6
60°	1318.4	1339.9	1549.5	2011.4	2308.9	2397.6	2455.8	2438.7	2410.2	2492.9	2265.1
62.5°	1232.7	1248.3	1455.3	1904.5	2359.7	2547.8	2640.2	2624.6	2565.6	2682.5	2377.9
65°	1074.7	1098.1	1305.4	1736.5	2291.5	2658.0	2813.8	2808.6	2706.2	2825.7	2408.7
67.5°	874.7	895.9	1089.2	1506.1	2091.9	2616.8	2912.1	2895.8	2770.0	2836.4	2311.1
70°	656.6	668.1	813.9	1150.7	1713.9	2396.8	2840.9	2837.5	2673.2	2676.9	2011.8
72.5°	352.4	384.3	541.2	770.1	1205.3	1941.3	2531.8	2518.5	2384.9	2192.4	1446.8
75°	123.2	132.4	288.2	432.5	654.8	1293.2	1946.8	1915.7	1783.6	1426.0	788.3
77.5°	75.7	83.1	128.0	221.1	254.9	561.3	1169.7	1129.2	1043.9	616.5	269.3
80°	52.3	59.0	85.7	115.7	86.8	181.8	538.3	523.1	402.5	146.9	62.0
82.5°	29.3	35.2	64.9	56.8	34.9	47.1	186.6	172.9	107.2	39.7	20.8
85°	17.1	20.4	45.6	40.1	17.8	16.7	48.6	43.4	27.8	14.8	10.0
87.5°	8.9	11.5	33.4	26.7	10.8	5.9	11.1	10.8	7.0	5.2	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674742
 CATALOG NUMBER: CCP-SA-2B-827-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	690.0	690.0	690.0	690.0	690.0	690.0	690.0	690.0	690.0	690.0	690.0
2.5°	695.2	693.3	703.0	706.3	705.6	704.1	707.8	703.0	702.6	701.5	700.4
5°	707.8	710.8	718.6	718.6	708.2	691.1	680.7	666.6	654.8	647.7	646.6
7.5°	726.7	732.7	737.9	721.9	686.3	644.0	599.1	563.9	533.1	517.1	515.6
10°	753.4	759.0	754.9	709.3	632.9	545.3	472.2	398.8	362.1	342.0	342.0
12.5°	785.3	789.8	764.9	677.8	544.9	418.1	320.5	243.4	206.6	182.9	181.4
15°	819.8	820.9	763.4	622.9	436.3	280.8	184.0	135.0	119.5	116.1	115.4
17.5°	849.9	845.4	747.9	541.6	314.2	167.3	116.9	105.7	102.8	102.8	102.8
20°	878.1	863.2	716.7	447.0	201.4	113.9	100.5	97.6	97.6	97.9	97.9
22.5°	909.2	879.9	672.2	342.0	129.5	97.6	94.2	92.7	92.4	93.5	93.1
25°	946.0	896.3	608.4	236.3	100.2	90.9	89.4	87.9	87.9	87.9	87.9
27.5°	966.4	894.0	535.7	149.1	87.5	84.2	82.7	81.2	80.1	79.8	80.1
30°	984.2	881.0	440.7	104.2	79.0	75.3	74.2	72.3	70.1	69.4	69.4
32.5°	1007.5	870.3	341.3	83.8	71.6	67.5	64.2	61.2	57.5	56.0	55.6
35°	1033.5	850.6	250.0	73.8	64.9	59.7	54.5	49.7	44.9	43.4	43.0
37.5°	1065.8	832.8	169.5	68.3	59.4	53.0	46.0	39.3	34.9	34.1	34.1
40°	1109.6	818.0	117.2	63.4	54.2	46.7	38.2	31.2	28.2	27.5	27.5
42.5°	1169.3	805.7	88.7	59.4	49.7	40.4	30.8	25.6	23.4	22.6	22.6
45°	1239.8	786.8	74.9	55.6	45.3	34.1	25.6	21.5	20.4	20.4	20.4
47.5°	1320.6	763.1	68.3	51.9	40.4	27.8	21.5	19.7	19.3	19.3	19.7
50°	1402.3	734.9	63.4	47.5	34.9	23.7	19.7	18.5	18.5	18.9	18.9
52.5°	1457.5	690.7	58.6	42.7	29.3	20.8	18.5	18.2	17.8	17.8	17.8
55°	1511.3	652.2	51.9	37.5	24.5	19.3	17.8	17.4	17.4	17.1	17.1
57.5°	1567.3	621.7	43.4	31.2	20.8	18.2	17.1	17.1	16.3	16.0	16.0
60°	1632.3	595.0	33.4	24.5	18.2	17.1	16.0	15.6	14.8	14.1	14.1
62.5°	1651.2	538.6	25.2	19.7	15.6	14.8	14.5	13.7	11.9	10.4	10.8
65°	1601.8	450.0	20.0	15.6	12.6	12.6	11.5	9.6	7.8	6.7	6.7
67.5°	1465.7	336.1	16.3	12.2	10.0	9.6	8.2	7.0	4.8	4.1	4.1
70°	1207.9	222.2	13.4	9.6	8.2	6.7	5.6	5.2	3.7	3.0	3.0
72.5°	846.5	120.6	11.1	7.8	5.9	4.5	3.7	3.3	2.6	2.2	1.9
75°	447.0	46.4	8.9	5.9	3.7	3.0	2.2	2.2	1.9	1.5	1.5
77.5°	153.2	19.7	6.3	3.3	2.6	1.9	1.5	1.1	1.5	1.1	1.1
80°	36.4	11.5	4.1	2.2	1.5	1.1	1.1	0.7	0.7	0.7	0.7
82.5°	16.0	6.7	2.6	1.5	1.5	1.1	0.7	0.4	0.4	0.4	0.4
85°	10.8	4.1	1.9	1.5	1.1	0.7	0.4	0.4	0.0	0.0	0.0
87.5°	8.5	2.6	1.5	1.5	1.1	0.7	0.4	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)